BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- ***DImprovements to Roads, Drains and Asphlting to Roads in Vinayaka layout 1st Main , 2nd Stage in ward no. 7, Byatarayanapurain Kodigehalli sub division***

ESTIMATED COST 1990000.00

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
1	Removing BS Slab of drain and stacking.						Sqm		
	(P.No.28, I.No.5.32 of PW,P&IWTD S.R 2012-13)								
	Cross Road								
	1th cross		1x2	118	1.65		389.40		
	2nd Cross		1x2	118	1.65		389.40		
	3rd Cross		1x2	118	1.65		389.40		
	4th Cross		1x2	100	1.65		330.00		
	5th Cross		1x2	106	1.65		349.80		
							1848.00	44.47	**82189.00**
	Basic Rate Rs.	41.18							82180.56
	Add 8% A.W Rs.	3.29							
	Total Rate Rs.	**44.47**							
2	Refixing stone slabs of drains and pointing in CM 1:3.						Sqm		
	(P.No.28, I.No. 5.33 of PW,P&IWTD S.R 2012-13								
			Qty Same as I.No.1 (70%)				**1293.60**	63.00	**81492.00**
	Basic Rate Rs.	58.33							81496.8
	Add 8% A.W Rs.	4.67							
	Total Rate Rs.	**63.00**							
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick)								
	(P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2012-13								
		Sqm							
			Qty Same as I.No.1 (20%)				**369.60**	315.36	**116557.00**
	Basic Rate Rs.	292.00							
	Add 8% A.W Rs.	23.36							
	Total Rate Rs.	**315.36**							
4	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3.						Cum		
	(P.No.145, I.No.19.1 of PW,P&IWTD S.R 2012-13								
	Cross Road								
	1th cross		1	118	6.00	0.20	141.60		
	2nd Cross		1	118	6.00	0.20	141.60		
	3rd Cross		1	118	6.00	0.20	141.60		
	4th Cross		1	100	6.00	0.20	120.00		
	5th Cross		1	106	6.00	0.20	127.20		
	Basic Rate Rs.	54.00					**672.00**	58.32	**39191.00**
	Add 8% A.W Rs.	4.32							
	Total Rate Rs.	**58.32**							
5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. 167, I.No. 19.64) SR 2012-13						**Sqm**		
	Cross Road								
	1th cross		1	118	6.00		708.00		
	2nd Cross		1	118	6.00		708.00		
	3rd Cross		1	118	6.00		708.00		
	4th Cross		1	100	6.00		600.00		

	5th Cross		1	106	6.00		636.00		
							3360.00	**3.78**	**12701.00**
	Basic Rate	**3.50**							
	Area Weightage @ 8%	**0.28**							
	Total	**3.78**							
6	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (P. 167, Item No. 20.18) SR 12-13						**Cum**		
	Cross Road								
	1th cross		1	118	6.00	0.20	141.60		
	2nd Cross		1	118	6.00	0.20	141.60		
	3rd Cross		1	118	6.00	0.20	141.60		
	4th Cross		1	100	6.00	0.20	120.00		
	5th Cross		1	106	6.00	0.20	127.20		
							672.00	**1059.48**	**711971.00**
	Basic Rate Rs.	981.00							
	Add 8% A.W Rs.	78.48							
	Total Rate Rs.	**1059.48**							
7	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. (P. 172, Item No. 21.6) SR 12-13						**Sqm**		
	Cross Road								
	1th cross		1	118	6.00		708.00		
	2nd Cross		1	118	6.00		708.00		
	3rd Cross		1	118	6.00		708.00		
	4th Cross		1	100	6.00		600.00		
	5th Cross		1	106	6.00		636.00		
	Basic Rate Rs.	36.70					**3360.00**	39.64	**133177.00**
	Add 8% A.W Rs.	2.94							133190.40
	Total Rate Rs.	**39.64**							
8	KSRRB M500-18. Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. with 80/100 grade bitumen using 40-60 HMP using mechanical paver (P. 174, Item No. 21.20.5) SR 12-13						**Cum**		
	Cross Road								
	1th cross		1	118	6.00	0.025	17.70		
	2nd Cross		1	118	6.00	0.025	17.70		
	3rd Cross		1	118	6.00	0.025	17.70		
	4th Cross		1	100	6.00	0.025	15.00		
	5th Cross		1	106	6.00	0.025	15.90		
							84.00	8992.08	**755335.00**
	Basic Rate Rs.	8326.00							
	Add 8% A.W Rs.	666.08							
	Total Rate Rs.	**8992.08**							
9	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141)							Cum	

	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00							
	Average weight of earth 1.28 tonne		Qty vide Item No.4		--	672.00	81.72	54916.00
	Basic Tate Lead Charges upto 2.00 Kms	62.20						
	2x1.28*2=	5.12						
	Loading and unloading	67.32						
	Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00	14.40						
		81.72						2463
0	Miscelleneous & Rounding off							2471.00
							Toatl Rs.	1990000.00
	(Rupees:- Nineteen Lakhs Ninety Thousand Only)							

lead got to be approved

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2012-13
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Technical Sanction for Rs. 19.90 lakh nineteen lakh ninety thousand only
under PWD. 2012-13 P. 177
registered as EE No: 305/1213. Subject to conditions contained enclosed memo.
No: 305/1213 Dr. 10.1.13
AE/JE
EE (RTP. Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs.
Rupees Nineteen lakh ninety thousand only
Under PWD - 2012-13 P. 177
Registered as EE ( ) No. 3 9
Subject to conditions contained in enclosed memo EE (Rly) No. 709/91
Dt 7.1.13 Estimate A/Sanctioned
TC A/A No. 709/1213
dated 7.1.13 Rs 19.90 lakh

7/1/13
Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.